


INFORMATION RECORDING DEVICE

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Inventor: SAGA HIDEKI; SUKETA YASUSHI
Applicant: HITACHI LTD
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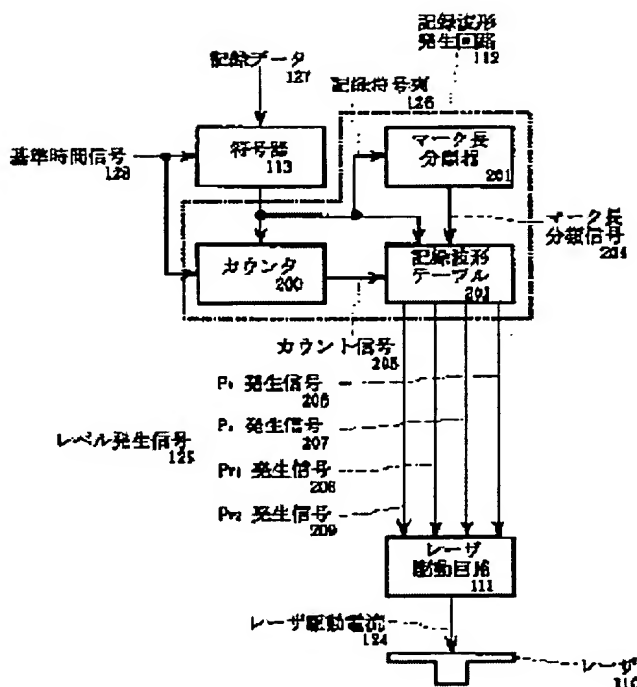
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Abstract of JP11175976

PROBLEM TO BE SOLVED: To enhance recording density and reliability by changing the number of energy pulses in accordance with the mark length in a recording code string and setting the interval to two changing points of charging energy during a mark forming period to \geq a specific value to secure a cooling time for a record medium.

SOLUTION: The interval of two changing points is made longer than the half multiple of detection window edges. Recording data 127 are converted into a recording code string having a mark length, a space and leading position information in an encoder 113 to be transmitted to a mark length classifying device 201. A mark length classified signal 204 in which the mark length is classified with a prescribed rule is inputted to a recording waveform table 202 and, beside, a count signal 205 is generated by measuring a time from the mark leading position with a counter 200 while making a reference time signal 128 a unit. A recording waveform table 202 supplies a level generating signal 205 in which prescribed recording waveforms are reflected to a laser driving circuit 111 according to the recording code string 126, the mark length classified signal 204 and the count signal 205 to synthesize a laser driving current 124.



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